

PHILIP MORRIS U. S. A.

INTER - OFFICE CORRESPONDENCE

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To: Mr. J. E. Wickham

Date: April 20, 1990

From: Deborah R. Watson

Subject: Results of Four Interlab Studies Conducted by TITL

Four interlab studies were conducted by TITL during 1988 and 1989. In the first three studies, six cigarette brands were tested by the seven participating laboratories. In the fourth study, six cigarette brands and Industry Monitor #13 were tested. Prior to each study, TITL obtained the cigarette brand samples from the marketplace. Therefore, smoke delivery differences observed between studies for each brand could be attributed to sample variation. The results from the fourth study were received from TITL in April, 1990. Philip Morris data for the four studies are reported in Table I.

In the first, second and fourth studies, Philip Morris averaged lower in overall tar deliveries than all other labs. In the third study, conducted in April 1989, Philip Morris was similar to other labs in average tar deliveries. Philip Morris' average nicotine deliveries also averaged lower than all other labs for the four studies. Tables II and III show the tar and nicotine data generated by all labs for these studies. Sample C4 in the first and second studies was Industry Monitor #11; in the third and fourth studies C4 was an L & M 85 cigarette. Sample C7 in the fourth study was Industry Monitor #13.

The tar deliveries for American Tobacco Co. appeared to decrease from the first to the third study, but increased for the fourth study. It is our understanding that American made an adjustment in their smoking levels after the first study. The TITL smoke data generated by the Phipps and Bird smoking machine and the Filtrona smoking machine agree favorably for all samples except C7, which is Industry Monitor #13. The TITL data for the Industry Monitor #13 show a tar difference of 0.6 mg/cigt. and a TPM difference of 0.8 mg/cigt. with the Filtrona smoking machine giving the higher results.

The tar deliveries for the four studies are illustrated graphically in Graphs 1-4. Nicotine deliveries are provided in Graphs 5-8.

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